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Our File No. 9281-4708
Client Reference No. S US02242

PATENT APPLICATION TRANSMITTAL LETTER

To the Commissioner for Patents:

Transmitted herewith for filing is the patent application of Talguk Kim and Masaya Yamaguchi for Circuit Connection Restoration Method And Program For Restoring Connection In Short Time.

Enclosed are:

- Preliminary Amendment
- 37 pages of application (including title page and Abstract), 5 sheets of formal drawings and the following Appendices: n/a
- Declaration and Power of Attorney for Patent Application
- Assignment transmittal letter and Assignment of the invention to: Alps Electric Co., Ltd.
- Submission of Certified Copy of Priority Document and certified copy of Japanese Application No(s). 2002-347361
- Information Disclosure Statement, PTO-1449, and reference

Claims as Filed	Col. 1	Col. 2
For	No. Filed	No. Extra
Basic Fee		
Total Claims	22 -20	2
Indep. Claims	6 -3	3
Multiple Dependent Claims Present		

*If the difference in col. 1 is less than zero, enter "0" in col. 2.

Small Entity		Other Than Small Entity	
Rate	Fee	Rate	Fee
	\$ 385	or	
x\$9=	\$	or	\$ 770
x\$43=	\$	or	\$ 36
+\$145=	\$	or	\$ 516
		or	+\$290=
Total	\$	Total	\$1322

- Please charge my Deposit Account No. 23-1925 in the amount of \$____. A duplicate copy of this sheet is enclosed.
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 - Any additional filing fees required under 37 CFR § 1.16.
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 - Any filing fees under 37 CFR § 1.16 for presentation of extra claims.
 - Any patent application processing fees under 37 CFR § 1.17.
 - The issue fee set in 37 CFR § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR § 1.311(b).

4/11/03

Date

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